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- Certificate / Product Information -

RAVENOL SSO SAE 0W-30

Art. 1111100

FULLY SYNTHETIC

USVO® & CleanSynto®

Description:

RAVENOL SSO SAE 0W-30 is a PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with especially USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbocharging and direct injection.

Due to the USVO® technology we achieve an extremely high viscosity stability. We avoid the disadvantages of polymeric viscosity improvers while taking advantage of them. This improves engine protection, performance, engine cleanliness and oil drain intervals. The USVO® technology makes it possible that the product has no shear losses during the entire change interval and is extremely stable to oxidation. This unique technology helps oil to be lubricated faster, thereby minimizing friction while keeping the engine clean and efficient.

RAVENOL SSO SAE 0W-30 utilizes the positive properties of tungsten to smooth the surface structure of the motor, reducing friction and wear, and significantly improving mechanical efficiency.

With its new formulation, **RAVENOL SSO SAE 0W-30** provides a safe layer of lubrication even at very high operating temperatures and protects from corrosion and loss of oil through oxidation or coking. The excellent cold start behavior ensures optimum lubrication safety during the cold running phase.

By significantly reducing fuel consumption, **RAVENOL SSO SAE 0W-30** helps to protect the environment by reducing emissions.

RAVENOL SSO SAE 0W-30 minimizes friction, wear and fuel consumption with excellent cold start characteristics.

Extended oil change intervals according to the manufacturer's instructions.

Application Directions:

RAVENOL SSO SAE 0W-30 is universal, fuel-efficient engine oil. It is a premium product for gasoline and diesel engine passenger cars. Suitable for all petrol and diesel passenger cars with and without turbo charger, especially recommended for full synthetic all-season motor oils.

Quality Classification:

RAVENOL SSO SAE 0W-30 is approved, tried and tested for aggregates specifying:

Specifications: API SN/CF, ACEA A3/B4

Approvals: BMW Longlife-98, MB-Approval 229.5, Renault RN0700/RN0710, VW 502 00, VW 505 00,

VOLVO VCC 95200356 (Service Fill)

Recommendations: VW 503 01(Audi), GM-LL-A-025, GM-LL-B-025, BMW Longlife-01

Technical Characteristics:

RAVENOL SSO SAE 0W-30 offers:

- universal application in all modern petrol and diesel engines
- quick lubrication of the engine even at temperatures below -30 °C
- low evaporation tendency, therefore a lower oil consumption
- safety against accumulation of sludge, coking and corrosion even under unfavourable operating conditions
- guarantee of the function of the hydro tappets at all temperatures
- no oil limited deposits in combustion chambers, at the piston ring and valves
- unchanged viscosity during the whole oil change interval, high viscosity index
- neutral against sealing materials
- Miscibility with all commercially available engine oils. Flushing is not required.

To the best of our knowledge all information reflects the current state of findings and our development. Subject to change. Any reference to DIN standards are solely for product description purposes and do not represent a guarantee. If problems occur please consult a technician.

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Technical Values:

Characteristics	Unit	Data	Test according to
Density at 20°C	kg/m³	843,0	DIN 51757
Colour		yellow brown	visual
Viscosity at 100°C	mm²/s	12,0	DIN 51562-1
Viscosity at 40°C	mm²/s	68,6	DIN 51562-1
Viscosity Index VI		173	DIN ISO 2909
HTHS Viscosity at 150°C	mPa*s	3,57	ASTM D5481
CCS Viscosity at -35°C	mPa*s	5580	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -40°C	mPa*s	17.400	ASTM D4684
Pourpoint	°C	-60	DIN ISO 3016
Noack Volatility	% M/M	7,7	ASTM D5800/b
Flashpoint	°C	236	DIN ISO 2592
TBN	mg KOH/g	10,5	ASTM D2896
Sulphated ash	%wt.	1,1	DIN 51575

All indicated data are approximate values and are subject to the commercial fluctuations.

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